

Solvent resistant acrylic resin and process for producing the same

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Abstract

An acrylic resin having resistance to crazing or crack formation when brought into contact with an organic solvent may be prepared by polymerizing or copolymerizing a monomer or monomers comprising (1) 50 to 100 wt. % of methyl methacrylate and (2) 0 to 50 wt. % of at least one monomer selected from the group consisting of an acrylic ester and a methacrylic acid ester, and adding a chain transfer agent after initiation and prior to completion of the polymerization. The acrylic resins have an intrinsic viscosity of 0.028 to 0.117 liters per gram, and a ratio of weight-average molecular weight to number-average molecular weight of 2.3 to 6.0.

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